

What is claimed is:

1. A rotor of a dynamo-electric machine comprising:
a rotor coil for generating magnetic flux; and
a pole core provided so as to cover the rotor coil, the pole core comprising a first pole core body and a second pole core body formed with tooth-shaped magnetic poles projecting therefrom so as to mesh alternately with each other,

magnetic elements, the magnetic elements comprising magnets disposed on both side surfaces of the tooth-shaped magnetic poles for reducing magnetic flux leakage from between the side surfaces of the adjacent tooth-shaped magnetic poles, and a magnet retaining member for supporting the magnets on the tooth-shaped magnetic pole; and

resin members filled between opposed surfaces of the magnetic elements.

2. A rotor of a dynamo-electric machine according to Claim 1, wherein the distance between the opposed surfaces of the adjacent magnetic elements is larger on the side of the outer periphery of the rotor than the side of the inner periphery thereof.

3. A rotor of a dynamo-electric machine according to Claim 1, wherein the opposed surfaces of the adjacent magnetic elements are disposed in parallel.

4. A rotor of a dynamo-electric machine according to

Claim 1, wherein the thickness of resin layer formed by filling a resin member is larger at the portion between the opposed surfaces of the magnetic elements than the thickness of the resin layer formed at other portions.

5. A rotor of a dynamo-electric machine according to Claim 1, wherein fixation between the magnetic elements and the resin members is reinforced by increasing roughness of the surfaces of the magnet retaining members.

6. A rotor of a dynamo-electric machine according to Claim 1, wherein entrance of the resin between the magnetic elements is facilitated by forming grooves on the opposed surfaces of the magnetic elements.

7. A rotor of a dynamo-electric machine according to Claim 1, wherein the magnetic elements and the inner peripheral surfaces of the tooth-shaped magnetic poles are fixed in the adhered state.

8. A rotor of a dynamo-electric machine according to Claim 1, further comprising a restraining member for preventing the magnetic elements and the tooth-shaped magnetic poles from opening radially outwardly when rotating.

9. A rotor of a dynamo-electric machine according to Claim 1, wherein the resin member to be filled between the magnetic elements is also filled between the magnets and the tooth-shaped magnetic poles, between the magnets and the magnet retaining members, between the magnetic elements and the

restraining members, and between the tooth-shaped magnetic poles and the restraining members.